## (12) UK Patent Application (19) GB (11) 2 317 080 (13) A

(43) Date of Printing by UK Office 11.03.1998

- (21) Application No 9722769.8
- (22) Date of Filing 16.05.1996
- (30) Priority Data (31) 44366295
- (32) 18.05.1995
- (33) US
- (86) International Application Data PCT/US96/06980 En 16.05.1996
- (87) International Publication Data W096/37053 En 21.11.1996

- (51) INT CL<sup>6</sup> H04B 7/005 , H04Q 7/38
- (52) UK CL (Edition P)
  H4L LDH LDLX L1H10
- (56) Documents Cited by ISA

EP 0630163 A EP 0462952 A WO 95/07587 A US 4775995 A

EP 0438770 A

(58) Field of Search by ISA IPC 6: H04B, H04Q, H04L

(71) Applicant(s)
Ericsson Inc

(Incorporated in USA - Delaware)

1 Triangle Drive, Research Triangle Park, North Carolina 27709, United States of America

(72) Inventor(s)

Mark D Priest

(74) Agent and/or Address for Service
Haseltine Lake & Co
Imperial House, 15-19 Kingsway, LONDON,
WC2B 6UD, United Kingdom

## (54) Method and apparatus for controlling operation of a portable or mobile battery-operated radios

(57) A base station-based communications system provides radio communication with battery-operated, portable radios, each radio including predetermined radio operating parameters corresponding to particular radio operating conditions. Each portable radio determines for itself one or more current radio operating condition(s), and based thereon, adjusts one or more radio operating parameters.

